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PATENT APPLICATION

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RESPONSE UNDER 37 C.F.R. §1.116

EXPEDITED PROCEDURE

TECHNOLOGY CENTER ART UNIT 2672

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Hideo FUKUCHI

Group Art Unit: 2672

Application No.: 09/111,803

Examiner: D. Chung

Filed: July 8, 1998

Docket No.: JAO 40854

For: INFORMATION DISPLAY APPARATUS FOR READING INFORMATION ON A
PORTABLE DISPLAY UNIT

REQUEST FOR RECONSIDERATION AFTER FINAL REJECTION
UNDER 37 C.F.R. §1.116

Director of the U.S. Patent and Trademark Office
Washington, D.C. 20231

Sir:

In reply to the Office Action mailed March 26, 2002, reconsideration of the above-identified application is respectfully requested. Claims 1-33 remain pending in this application.

The Office Action rejects claims 1-33 under 35 U.S.C. §103(a) as being unpatentable over Kawasaki et al. (U.S. Patent No. 4,246,578) in view of Ying et al. (U.S. Patent No. 4,057,849), and further in view of Burgan (U.S. Patent No. 6,201,526). Applicant respectfully traverses the rejection.

In particular, Applicant respectfully asserts that Burgan does not disclose or suggest an information display apparatus, including at least display control means causing a display unit to automatically form a vertical scrolling display when an amount of information to be

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displayed exceeds a number of lines displayable on the display unit in one frame, as recited in independent claim 1, and similarly recited in independent claims 9, 29 and 31.

Specifically, Kawasaki describes a pattern generation display system of a CRT, where the width of a font varies according to the type of character displayed.

Ying describes a text-editing system of a CRT, where a display controller blanks a character position in the line following the position of a word-ending or word-break word so that the next display line begins with this character.

Burgan discloses only a horizontal procession of alphanumeric characters in a scrolling display. See column 8, lines 37-41. Specifically, Burgan teaches that messages of a length greater than the maximum number of characters displayable on the viewable portion of a single line visual display automatically process from the right edge of the visual display to the left edge until the entire message has appeared on the visual display. Compare column 3, lines 31-36, to column 3, lines 60-63; see also column 9, lines 46-52.

Moreover, although Burgan discloses a multi-line visual display, the reference does not disclose vertical scrolling and is not enabling for horizontal scrolling. See column 3, lines 21-22. Specifically, information displayed across a multiple line display cannot be understood when horizontal scrolling is adapted. Compare Fig. 7.

Last, because Burgan discloses only horizontal scrolling, and because only a single-line display is enabled by the disclosure, Burgan does not disclose edges other than a right or left edge.

Accordingly, because Burgan fails to compensate for deficiencies in Kawasaki and Ying, a combination of the references would not result in a display apparatus that more effectively displays a large volume of information on a limited size of display unit. Thus, because it would not have been obvious to combine the applied references to arrive at the claimed invention, Applicant asserts that independent claims 1, 3, 9 and 29-32 define

patentable subject matter. Claims 2, 4-8, 10-28 and 33 depend from independent claims 1, 3 and 9 and therefore also define patentable subject matter. Accordingly, Applicant respectfully requests that the rejection under 35 U.S.C. §103(a) be withdrawn.

In view of the foregoing remarks, Applicant submits that this application is in condition for allowance. Favorable reconsideration and prompt allowance of claims 1-33 are earnestly solicited.

Should the Examiner believe that anything further is desirable in order to place this application in even better condition for allowance, the Examiner is requested to contact Applicant's attorney at the telephone number listed below.

Respectfully submitted,



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Date: June 19, 2002

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